

| <b><i>Microscope Comparison Sheet</i></b> | Elementary Compound APO408 004941 | Student Compound AP1500WL 004940 | Student Compound AP1510WL 004942 | Walter Products 3000FF 010034 | Walter Products 3000F-RC 044840 | Walter Products 3000FF100 010035 | Walter Products 3000F100RC 044839 | Biology Lab w/ Microscope National Optical 008777 | My First Lab Duo-Scope 042050 | TK2 Scope Microscope Kit 043174 |
|---|-----------------------------------|----------------------------------|----------------------------------|-------------------------------|---------------------------------|----------------------------------|-----------------------------------|---|-------------------------------|---------------------------------|
| <b>Construction</b>                       |                                   |                                  |                                  |                               |                                 |                                  |                                   |   |                               |                                 |
| cast alloy                                | x                                 | x                                | x                                | x                             | x                               | x                                | x                                 | x   | metal & plastic               | metal & plastic                 |
| <b>Monocular Head</b>                     |                                   |                                  |                                  |                               |                                 |                                  |                                   |   |                               |                                 |
| 10X widefield eyepiece                    | x                                 | x                                | x                                | x                             | x                               | x                                | x                                 | x   | x                             | x                               |
| built-in pointer                          | x                                 | x                                | x                                | x                             | x                               | x                                | x                                 | x   | x                             | x                               |
| 45° inclined head                         | x                                 | x                                | x                                | x                             | x                               | x                                | x                                 | x   | x                             | x                               |
| 360° rotation                             | x                                 | x                                | x                                | x                             | x                               | x                                | x                                 | x   |                               |                                 |
| <b>Objectives</b>                         |                                   |                                  |                                  |                               |                                 |                                  |                                   |   |                               |                                 |
| nosepiece                                 | triple                            | triple                           | quadruple                        | triple                        | triple                          | quadruple                        | quadruple                         | triple  | triple                        | triple                          |
| DIN objective                             | x                                 | x                                | x                                | x                             | x                               | x                                | x                                 | x   | optical glass                 | optical glass                   |
| achromatic, parfocal, parcentric          | x                                 | x                                | x                                | x                             | x                               | x                                | x                                 | x   | lenses                        | lenses                          |
| 4X, 10X, 40X                              | x                                 | x                                | x                                | x                             | x                               | x                                | x                                 | x   | x                             | x                               |
| 100X                                      |                                   |                                  | x                                |                               |                                 | x                                | x                                 |   |                               |                                 |
| maximum magnification                     | 400X                              | 400X                             | 1000X                            | 400X                          | 400X                            | 1000X                            | 1000X                             | 400X  | 400X                          | 400X                            |
| <b>Illumination</b>                       |                                   |                                  |                                  |                               |                                 |                                  |                                   |   |                               |                                 |
| abbe NA condenser                         | fixed .65                         | fixed .65                        | moveable 1.25                    | fixed .65                     | fixed .65                       | moveable 1.25                    | moveable 1.25                     | fixed .65   |                               |                                 |
| diaphragm                                 | 6 hole disc                       | 6 hole disc                      | iris                             | 5 hole disc                   | 5 hole disc                     | iris                             | iris                              | 5 hole disc                                       | 6 hole disc                   | 6 hole disc                     |
| light bulb                                | LED                               | LED                              | LED                              | 5W flourescent                | LED                             | 5W flourescent                   | LED                               | 20W tungsten                                      | dual LED                      | dual LED                        |
| <b>Power Source</b>                       | AC / rechargeable                 | AC / rechargeable                | AC / rechargeable                | AC                            | AC / rechargeable               | AC                               | AC / rechargeable                 | AC  | 3 AA batteries                | 3 AA batteries                  |
| <b>Stage</b>                              |                                   |                                  |                                  |                               |                                 |                                  |                                   |   |                               |                                 |
| approximate size                          | 90 mm <sup>2</sup>                | 120 mm <sup>2</sup>              | 120mm <sup>2</sup>               | 102mm <sup>2</sup>            | 102mm <sup>2</sup>              | 102mm <sup>2</sup>               | 102mm <sup>2</sup>                | 115mm <sup>2</sup>                                | 80mm <sup>2</sup>             | 80mm <sup>2</sup>               |
| spring loaded stage clips                 | x                                 | x                                | x                                | x                             | x                               | x                                | x                                 | x   | x                             | x                               |
| mechanical stage                          |                                   |                                  | x                                |                               |                                 | x                                | x                                 |   |                               |                                 |
| <b>Adjustment</b>                         |                                   |                                  |                                  |                               |                                 |                                  |                                   |   |                               |                                 |
| separate fine/coarse focus                | x                                 | x                                | x                                | x                             | x                               | x                                | x                                 | x   | coarse focus only             | coarse focus only               |
| adjustable stage stop                     | x                                 | x                                | x                                | x                             | x                               | x                                | x                                 | x   |                               |                                 |
| slip-clutch                               |                                   | x                                | x                                |                               |                                 |                                  |                                   |   |                               |                                 |
| <b>Warranty</b>                           | 5 yr limited                      | 5 yr limited                     | 5 yr limited                     | 5 yr limited                  | 5 yr limited                    | 5 yr limited                     | 5 yr limited                      | lifetime limited                                  |                               |                                 |
| <b>Included w/ Microscope:</b>            | dust cover                        | dust cover                       | dust cover                       | dust cover                    | dust cover                      | dust cover                       | dust cover                        | dust cover  | 5 blank slides, 4 prepared    | 5 blank slides, 4 prepared      |
|   | charger                           | charger                          | charger                          | data sheet                    | charger                         | immersion oil                    | charger                           | data sheet  | slides, concave slide,        | slides, concave slide,          |
|   | data sheet                        | data sheet                       | immersion oil                    |                               | data sheet                      | blue disc filter                 | immersion oil                     |   | cover glasses, pipette,       | cover glasses, pipette,         |
|   |                                   |                                  | blue disc filter                 |                               |                                 | data sheet                       | blue disc filter                  |   | forceps, lens paper,          | scalpel, forceps,               |
|   |                                   |                                  | data sheet                       |                               |                                 |                                  | data sheet                        |   | plastic test tube             | lens paper, small petri         |
|   |                                   |                                  |                                  |                               |                                 |                                  |                                   |   | small petri dish              | dish, teasing needle,           |
|   |                                   |                                  |                                  |                               |                                 |                                  |                                   |   | teasing needle                | red & blue dye                  |
|   |                                   |                                  |                                  |                               |                                 |                                  |                                   |   | red & blue dye                | dust cover                      |
|   |                                   |                                  |                                  |                               |                                 |                                  |                                   |   | user's manual                 | experiment manual               |