

THE POLYMORPHPREP™ FILES

POLYMORPHPREP™

Human blood

Axis-Shield markets a density gradient medium (Polymorphprep™) customized to the simultaneous purification of both polymorphonuclear leukocytes (PMNs) and mononuclear cells (PBMCs) from whole human peripheral blood. The yield and purity of both types of leukocyte are approximately 95%. While the vast majority of published papers report the use of Polymorphprep™ solely for PMN studies, significant numbers report its use for studies on both types of cell and some solely for PBMC studies.

A consequence of the use of Polymorphprep™ is that leukocyte-free erythrocytes are also produced and so the medium is also used for analysis of these cells.

Blood from other species

Although Polymorphprep™ was designed for human blood, there are also published papers reporting its use for isolation of PMNs from canine, ovine, porcine, rabbit and rodent blood and also of avian heterophils.

POLYMORPHPREP™ APPLICATION SHEET

This pdf file provides a detailed account of the methodology for human blood and highlights the important points that will guarantee a successful separation of PMNs and PBMCs. It also indicates some of the methodological variations that have been used for separations with non-human blood.

Open the Polymorphprep™ Application Sheet by clicking on the double blue arrow. ➡➡

POLYMORPHPREP™ BIBLIOGRAPHY

A comprehensive bibliography has been assembled, of papers reporting the use Polymorphprep™, published after 1990.

THE POLYMORPHPREP™ INDEX

Open the Polymorphprep™ Index by clicking on the double blue arrow. ➡➡

THE POLYMORPHPREP™ ABSTRACT LIST

Note the identity numbers of the paper(s) of interest in the Polymorphprep™ Index then access the relevant abstract(s) in the Polymorphprep™ Abstract List.

Open the Polymorphprep™ Abstract List by clicking on the double blue arrow. ➡➡