



neutrophil



lymphocyte

Neutrophil:

Role: Defence via engulfing / phagocytosis; they ingest invading microorganisms

Structure:

- * **Amoeboid movement:** can travel to the site of infection
- * **many lysosomes:** contains powerful hydrolytic enzymes, eg proteases and nucleases, to digest microorganisms
- * **large / lobed nucleus:** can move / be deformed so can move out of the way when ingesting bacteria
- * **lots of mitochondria:** = energy for movement
- * **many ribosomes:** = make digestive enzymes
- * **cytoskeleton:** = able to move internal organelles

Lymphocyte:

- * large round nucleus
- * non-granular cytoplasm
- * less cytoplasm

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