



Dapsone [HRP] (DAG1079)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Dapsone, HRP conjugate
Antigen Description	A sulfone active against a wide range of bacteria but mainly employed for its actions against mycobacterium leprae. Its mechanism of action is probably similar to that of the sulfonamides which involves inhibition of folic acid synthesis in susceptible organisms. It is also used with pyrimethamine in the treatment of malaria.
Species	N/A
Conjugate	HRP
Format	Concentrate
Size	0.5 ml
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Dapsone is a synthetic derivative of diamino-sulfone with anti-inflammatory and anti-bacterial properties. As a structural analog of p-aminobenzoic acid (PABA), dapsone inhibits dihydropteroate synthase (DHPS), an enzyme important in folate synthesis, resulting in a depletion of the folate pool and a reduction in the amount of thymidylate available for DNA synthesis. Although the exact mechanism through which dapsone exerts its anti-inflammatory activity has yet to be fully elucidated, this agent interferes with the activation and oxidative damage of myeloperoxidase in neutrophils and inhibits the integrin-mediated adherence and chemotaxis of neutrophils. Dapsone's anti-inflammatory activities may contribute to the effects seen upon topical administration.
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Keywords

4,4-Diaminodiphenyl sulfone; 4,4-Sulfonyldianiline; Avlosulfone; Diaphenylsulfon;
Diaphenylsulfone; Diphenasone; Disulone; Sulfona; Dapsone
