

铁检测试剂盒(亚铁嗉微板法)

产品简介:

铁是人体必需微量元素,总含量约为 3270mg,铁分布较广,有 67.6%的铁作为血红蛋白分子的辅基分布于血红蛋白中,参与铁的运输;骨骼和肌红蛋白中各存在 2.59%和 4.15%,储存铁约占 25.37%血清中铁均以三价铁离子形式与转铁蛋白结合,因此测定血清铁时,首先需要 Fe^{3+} 与转铁蛋白分离。

Leagene 铁检测试剂盒(亚铁嗉微板法)是采用微板法以亚铁嗉为底物进行铁的检测,在酸性介质中与转铁蛋白结合的血清铁从转铁蛋白中解离出来,其他样品中的铁在酸性介质环境下也会被解离,再被还原剂还原为 Fe^{2+} ,后者与亚铁嗉生成紫红色化合物,通过酶标仪检测 562nm 处吸光度,适用于检测血清、血浆、组织等样品中的铁含量;上述检测方法属于直接检测法,应设血清空白,纠正血清本身的色度,根据公式计算出铁含量,该检测试剂盒在 140 μ mol/L 以下线性关系良好,甘油三酯 \leq 3.39mmol/L,胆红素 \leq 171 μ mol/L,对本法基本无干扰。该试剂盒仅用于科研领域,不适用于临床诊断或其他用途。

产品组成:

名称	编号	TC1015	Storage
试剂(A): 铁标准(100 μ g/ml)		100T	
试剂(B): 铁标准稀释液		1ml	4 $^{\circ}$ C 避光
试剂(C): Fe Assay Buffer		2ml	RT
试剂(D): 亚铁嗉显色液		25ml	4 $^{\circ}$ C
试剂(E): ddH ₂ O		1ml	4 $^{\circ}$ C 避光
试剂(E): ddH ₂ O		10ml	RT
使用说明书			1 份

自备材料:

- 1、离心管或试管、酶标仪、96 孔板

操作步骤(仅供参考):

操作步骤略,如需完整版请咨询客服。

注意事项:

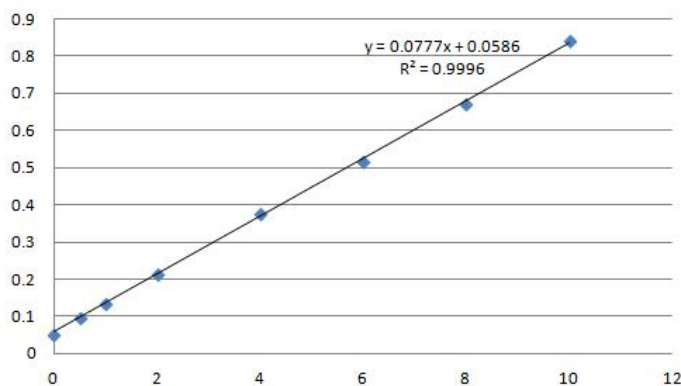
- 1、溶血样本对检测有干扰,尽量避免采用溶血样本。
- 2、如果样品浓度过高,应用蒸馏水稀释后重测,结果乘以稀释倍数。
- 3、实验过程中用到的水,不可用普通的蒸馏水,尽量采用高纯度的去离子水。

- 4、玻璃器材需要 10%的盐酸浸泡 24h，取出后用去离子水冲洗后才可以使⽤。
- 5、避免与铁器接触，以防铁污染。
- 6、标准品呈色 24h 稳定，血清呈色 30min 内稳定，随着时间的延长，颜色会慢慢加深，应在 1h 内比色完毕。
- 7、0.97 是体积校正值。
- 8、该法批内差异 CV≤3.1%；批间差异 CV≤2.6%。
- 9、试剂开封后请尽快使⽤，以防影响后续实验效果。
- 10、为了您的安全和健康，请穿实验服并戴一次性手套操作。

有效期：12 个月有效；室温运输，按⽤要求保存。

附录：标准曲线制作：Leagene 在室温条件下按说明书操作，⽤分光光度计 562nm 对系列标准(0、0.5、1、2、4、6、8、10μg/ml)进⽤吸光度的测定，其标准曲线如下(仅供参考)：

铁检测试剂盒(亚铁嗪比色法)



注意：由于检测仪器和操作手法等条件的不同，标准曲线会有差异，该值仅供参考，根据 Leagene 测定经验显示铁标准在 0.1μg/ml 以下，40μg/ml 以上，标准曲线会有偏差。

相关产品：

产品编号	产品名称
DC0032	Masson 三色染色液
DM0007	瑞氏-姬姆萨复合染色液
DP0013	GUS 染色液(即用型)
DZ2011	环保浸蜡脱蜡透明液
PW0053	Western 抗体洗脱液(碱性)
TO1013	丙二醛(MDA)检测试剂盒(TBA 比色法)

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