版本：A4　　修改日期：2024.12.31

Tris-HCl 缓冲液(1 mol/L,pH8.5,RNase free)

产品简介：

Tris(三羟甲基氨基甲烷)为弱碱，分子式为 $C_4H_{11}NO_3$，相对分子量为 121.14,在 25℃下 pKa 为 8.1，Tris 缓冲液的有效缓冲范围在 pH7.0～9.2 之间。Tris 碱的水溶液 pH 在 10.5 左右，一般加入盐酸调节 pH 值至所需值，即可获得该 pH 值的缓冲液，常用 pH 值为 6.8、7.4、8.0、8.8，其 pH 值随温度变化很大；一般来说，温度每升高 1℃，pH 值下降 0.03。

Leagene Tris-HCl 缓冲液(1mol/L,pH8.5,RNase free)属于 pH 缓冲液，采用进口 Tris、DEPC 处理水配制而成，再经 15psi 高压灭菌处理，常用于 RNA 相关实验。该试剂仅用于科研领域，不适用于临床诊断或其他用途。

产品组成：

编号 / 名称	NR0074	Storage
Tris-HCl 缓冲液(1mol/L,pH8.5,RNase free)	500ml	RT
使用说明书	1 份	

操作步骤(仅供参考)：

1、按实验具体要求操作。

注意事项：

1、该试剂对人体有刺激性，请注意适当防护。

2、注意避免 RNase 污染。

3、为了您的安全和健康，请穿实验服并戴一次性手套操作。

4、试剂开封后请尽快使用，以防影响后续实验效果。

有效期：

6 个月有效。

相关产品：

产品编号	产品名称
DC0032	Masson 三色染色液
NE0011	CTAB 抽提液
NR0001	DEPC 处理水(0.1%)
OR0002	pH 标准缓冲溶液(pH=6.86)
PE0018	SDS-PAGE 凝胶配制试剂盒
TC1243	甘油三脂(TG)检测试剂盒(GPO-PAP 单试剂比色法)

文献引用：

1、 Qiao Zhou,Jun Liu,Jia Yan,et al.Magnetic microspheres mimicking certain functions of macrophages: Towards precise antibacterial potency for bone defect healing.Materials Today Bio.Materials Today Bio.10.1016/j.mtbio.2023.100651.(IF 8.2)

2、 Wu Xiao,Tang Ying,Lu Xinxing,et al.Endothelial cell-derived extracellular vesicles modulate the therapeutic efficacy of mesenchymal stem cells through IDH2/TET pathway in ARDS.Cell Communication and Signaling.Cell Communication and Signaling.10.1186/s12964-024-01672-0.(IF 8.2)

3、 Xiongfeng Nie,Chunyan Cui,Tengling Wu,et al.An anticoagulant/hemostatic indwelling needle for oral glucose tolerance test.Biomaterials Science.Biomaterials Science.10.1039/D2BM01133F.(IF 7.59)

4、 Xu Zhang,Jian Li,Jin Chen,et al.Enhanced bone regeneration via PHA scaffolds coated with polydopamine-captured BMP2.Journal of Materials Chemistry B.Journal of Materials Chemistry B.10.1039/D2TB01122K.(IF 7.571)

5、 Jilin Hu,Quan Wang,Ying Wang,et al.Polydopamine-based surface modification of hemoglobin particles for stability enhancement of oxygen carriers.JOURNAL OF COLLOID AND INTERFACE SCIENCE.JOURNAL OF COLLOID AND INTERFACE SCIENCE.10.1016/j.jcis.2020.03.046.(IF 7.489)

6、 Yilin Yu,Xiaolei Li,Jiarun Li,et al.Dopamine-assisted co-deposition of hydroxyapatite-functionalised nanoparticles of polydopamine on implant surfaces to promote osteogenesis in environments with high ROS levels.Materials Science & Engineering C-Materials for Biological Applications.Materials Science & Engineering C-Materials for Biological Applications.10.1016/j.msec.2021.112473.(IF 7.328)

7、 Gaofeng Sun,Tao Wang,Xiao Li,et al.Sub-Micrometer Au@PDA-125I Particles as Theranostic Embolism Beads for Radiosensitization and SPECT/CT Monitoring.Advanced Healthcare Materials.Advanced Healthcare Materials.10.1002/adhm.201800375.(IF 5.609)

8、 Quan Wang,Ruirui Zhang,Mingzi Lu,et al.Bioinspired Polydopamine-Coated Hemoglobin as Potential Oxygen Carrier with Antioxidant Properties.BIOMACROMOLECULES.BIOMACROMOLECULES.10.1021/acs.biomac.7b00077.(IF 5.246)

9、 Yu Zhang,Yixin Zhong,Man Ye,et al.Polydopamine-modified dual-ligand nanoparticles as highly effective and targeted magnetic resonance/photoacoustic dual-modality thrombus imaging agents.International Journal of Nanomedicine.International Journal of Nanomedicine.10.2147/IJN.S216603.(IF 4.471)

10、Zideng Gao,Long Pang,Haojie Feng,et al.Preparation and characterization of a novel imidacloprid microcapsule via coating of polydopamine and polyurea.RSC Advances.RSC Advances.10.1039/C7RA01527E.(IF 3.108)

11、Olga Baidukova,Quan Wang,Saranya Chaiwaree,et al.Antioxidative protection of haemoglobin microparticles (HbMPs) by PolyDopamine.Artificial Cells Nanomedicine and Biotechnology.Artificial Cells Nanomedicine and Biotechnology.10.1080/21691401.2018.1505748.(IF 3.026)

12、Quan Wang,Ruirui Zhang,Guoxing You,et al.Influence of polydopamine-mediated surface modification on oxygen-release capacity of haemoglobin-based oxygen carriers.Artificial Cells Nanomedicine and Biotechnology.Artificial Cells Nanomedicine and Biotechnology.10.1080/21691401.2018.1459636.(IF 3.026)

注：更多使用本产品的文献请参考产品网页