



### Hallow Cathode Lamps

#### *Lampes à Cathode Creuse*

Hollow cathode lamps non-coded with 37 mm in diameter are suitable for Atomic Absorption Spectrometers from Varian, Aurora, Analytic Jena, GBC, Unicam, Shimadzu, Thermo.

For Perkin Elmer AAS the HCL-lamps are supplied with a diameter of 50 mm

(we can also supply on request Coded-HCL lamps for Varian and Perkin Elmer. Please state always in your inquiries the Model of AAS that you are using.)

*Lampes à cathode creuse non-codées d'un diamètre de 37 mm compatibles avec les spectromètres d'absorption atomique de Varian, Aurora, Analytic Jena, GBC, Unicam, Shimadzu, Thermo....*

*Pour les instruments de Perkin-Elmer les lampes sont d'un diamètre de 50 mm.*

*(Sur demande, nous livrons aussi des lampes à cathode creuse codées pour Varian et Perkin Elmer. SVP indiquer le modèle de votre instrument).*

#### Single-element Hollow Cathode Lamps

#### *Lampes à cathode creuse, mono-élément*

Element <i>Élément</i>	Order No. <i>N° de code</i> 37 mm Ø	Order No. <i>N° de code</i> 50 mm Ø Perkin Elmer
Al	8.264.000	8.264.100
Sb	8.264.001	8.264.101
As	8.264.002	8.264.102
Ba	8.264.003	8.264.103
Be	8.264.004	8.264.104
Pb	8.264.005	8.264.105
B	8.264.006	8.264.106
Cs	8.264.007	8.264.107
Ce	8.264.008	8.264.108
Cr	8.264.009	8.264.109
Dy	8.264.010	8.264.110
Fe	8.264.011	8.264.111
Er	8.264.012	8.264.112
Eu	8.264.013	8.264.113
Gd	8.264.014	8.264.114
Ga	8.264.015	8.264.115
Ge	8.264.016	8.264.116
Au	8.264.017	8.264.117
Hg	8.264.018	8.264.118
Ho	8.264.019	8.264.119
In	8.264.020	8.264.120
Ir	8.264.021	8.264.121
Cd	8.264.022	8.264.122
K	8.264.023	8.264.123
Ca	8.264.024	8.264.124
Co	8.264.025	8.264.125
Cu	8.264.026	8.264.126
La	8.264.027	8.264.127
Li	8.264.028	8.264.128
Lu	8.264.029	8.264.129
Mg	8.264.030	8.264.130
Mn	8.264.031	8.264.131
Mo	8.264.032	8.264.132
Na	8.264.033	8.264.133
Nd	8.264.034	8.264.134
Ni	8.264.035	8.264.135
Nb	8.264.036	8.264.136
Os	8.264.037	8.264.137
Pd	8.264.038	8.264.138
P	8.264.039	8.264.139
Pt	8.264.040	8.264.140
Pr	8.264.041	8.264.141
Hg	8.264.042	8.264.142
Re	8.264.043	8.264.143
Rh	8.264.044	8.264.144
Rb	8.264.045	8.264.145
Ru	8.264.046	8.264.146
Sm	8.264.047	8.264.147
Sc	8.264.048	8.264.148
Se	8.264.049	8.264.149
Ag	8.264.050	8.264.150
Si	8.264.051	8.264.151
Sr	8.264.052	8.264.152
Ta	8.264.053	8.264.153





### Single-element Hollow Cathode Lamps

*Lampes à cathode creuse, mono-élément*

Element <i>Élément</i>	Order No. <i>N° de code</i> 37 mm Ø	Order No. <i>N° de code</i> 50 mm Ø Perkin Elmer
Te	8.264.054	8.264.154
Tb	8.264.055	8.264.155
Tl	8.264.056	8.264.156
Th	8.264.057	8.264.157
Tm	8.264.058	8.264.158
Ti	8.264.059	8.264.159
U	8.264.060	8.264.160
V	8.264.061	8.264.161
D2	8.264.062	8.264.162
Bi	8.264.063	8.264.163
W	8.264.064	8.264.164
Zn	8.264.065	8.264.165
Sn	8.264.066	8.264.166
Zr	8.264.067	8.264.167

### Two-element Hollow Cathode Lamps

*Lampes à cathode creuse, à deux éléments*

Element <i>Élément</i>	Order No. <i>N° de code</i> 37 mm Ø	Order No. <i>N° de code</i> 50 mm Ø Perkin Elmer
Al/Ca	8.264.200	8.264.300
Al/Mg	8.264.201	8.264.301
Al/Si	8.264.202	8.264.302
Al/Ti	8.264.203	8.264.303
Ba/Sr	8.264.204	8.264.304
Cr/Co	8.264.205	8.264.305
Cr/Cu	8.264.206	8.264.306
Cr/Fe	8.264.207	8.264.307
Cr/Mn	8.264.208	8.264.308
Cr/Mo	8.264.209	8.264.309
Cr/Ni	8.264.210	8.264.310
Fe/Mn	8.264.211	8.264.311
Fe/Mo	8.264.212	8.264.312
Fe/Ni	8.264.213	8.264.313
Fe/Zn	8.264.214	8.264.314
Au/Cu	8.264.215	8.264.315
Au/Ni	8.264.216	8.264.316
Au/Pt	8.264.217	8.264.317
Au/Ag	8.264.218	8.264.318
Cd/Zn	8.264.219	8.264.319
Ca/Ba	8.264.220	8.264.320
Ca/Mg	8.264.221	8.264.321
Ca/Si	8.264.222	8.264.322
Ca/Sr	8.264.223	8.264.323
Ca/Zn	8.264.224	8.264.324
Co/Cu	8.264.225	8.264.325
Co/Fe	8.264.226	8.264.326
Co/Mn	8.264.227	8.264.327
Co/Mo	8.264.228	8.264.328
Co/Ni	8.264.229	8.264.329
Cu/Fe	8.264.230	8.264.330
Cu/Mn	8.264.231	8.264.331
Cu/Mo	8.264.232	8.264.332
Cu/Ni	8.264.233	8.264.333
Cu/Zn	8.264.234	8.264.334
Mg/Si	8.264.235	8.264.335
Mn/Mo	8.264.236	8.264.336
Mn/Ni	8.264.237	8.264.337
Mn/Zn	8.264.238	8.264.338
Na/K	8.264.239	8.264.339
Pt/Ag	8.264.240	8.264.340
Ag/Cr	8.264.241	8.264.341
Ag/Cu	8.264.242	8.264.342
Si/Ti	8.264.243	8.264.343





### Three-element Hollow Cathode Lamps

*Lampes à cathode creuse, à trois éléments*

Element <i>Élément</i>	Order No. <i>N° de code</i> 37 mm Ø	Order No. <i>N° de code</i> 50 mm Ø Perkin Elmer
Al/Ca/Mg	8.264.400	8.264.500
Al/Si/Ti	8.264.401	8.264.501
As/Sb/Bi	8.264.402	8.264.502
As/Se/Te	8.264.403	8.264.503
Cr/Co/Cu	8.264.404	8.264.504
Cr/Co/Fe	8.264.405	8.264.505
Cr/Co/Mn	8.264.406	8.264.506
Cr/Co/Ni	8.264.407	8.264.507
Cr/Cu/Fe	8.264.408	8.264.508
Cr/Cu/Mn	8.264.409	8.264.509
Cr/Cu/Ni	8.264.410	8.264.510
Cr/Fe/Mn	8.264.411	8.264.511
Cr/Fe/Ni	8.264.412	8.264.512
Cr/Mn/Ni	8.264.413	8.264.513
Fe/Mn/Ni	8.264.414	8.264.514
Fe/Mn/Zn	8.264.415	8.264.515
Au/Cu/Ni	8.264.416	8.264.516
Au/Pt/Ag	8.264.417	8.264.517
Ca/Ba/Sr	8.264.418	8.264.518
Ca/Mg/Si	8.264.419	8.264.519
Ca/Mg/Zn	8.264.420	8.264.520
Co/Cu/Fe	8.264.421	8.264.521
Co/Cu/Mn	8.264.422	8.264.522
Co/Cu/Ni	8.264.423	8.264.523
Co/Fe/Ni	8.264.424	8.264.524
Co/Fe/Mn	8.264.425	8.264.525
Co/Mn/Ni	8.264.426	8.264.526
Cu/Fe/Mn	8.264.427	8.264.527
Cu/Fe/Ni	8.264.428	8.264.528
Cu/Fe/Zn	8.264.429	8.264.529
Cu/Mn/Ni	8.264.430	8.264.530
Cu/Mn/Zn	8.264.431	8.264.531
Mo/Cr/Co	8.264.432	8.264.532
Mo/Cr/Cu	8.264.433	8.264.533
Mo/Cr/Fe	8.264.434	8.264.534
Mo/Cr/Mn	8.264.435	8.264.535
Mo/Co/Cu	8.264.436	8.264.536
Mo/Co/Mn	8.264.437	8.264.537
Mo/Co/Fe	8.264.438	8.264.538
Mo/Cu/Fe	8.264.439	8.264.539
Mo/Cu/Mn	8.264.440	8.264.540
Mo/Fe/Mn	8.264.441	8.264.541
Ag/Cr/Cu	8.264.442	8.264.542
Ag/Cu/Ni	8.264.443	8.264.543



Atomic Absorption Spectrometer from Aurora-Instruments  
our partner in the laboratory world



### Standards for the Atomic Absorption Spectrometry

#### *Solutions étalons pour SAA*

**Atomic absorption spectroscopy calibration standards**, in bottles of 500 ml, concentration 1000 ppm

*Etalons de calibration pour la spectrométrie d'Absorption Atomique, en flacon de 500 ml, concentration 1000 ppm*

Description	Order No.
<i>Description</i>	<i>N° de code</i>
Aluminium (Al)	8.264.600
Antimony (Sb)	8.264.601
Arsenic (III) (As)	8.264.602
Barium (Ba)	8.264.603
Beryllium (Be)	8.264.604
Bismuth (Bi)	8.264.605
Boron (B)	8.264.606
Cadmium (Cd)	8.264.607
Calcium (Ca)	8.264.608
Cesium (Cs)	8.264.609
Chromium (Cr)	8.264.610
Cobalt (Co)	8.264.611
Copper (Cu)	8.264.612
Gadolinium (Gd)	8.264.613
Gallium (Ga)	8.264.614
Gold (Au)	8.264.615
Indium (In)	8.264.616
Iron (Fe)	8.264.617
Lanthanum (La)	8.264.618
Lead (Pb)	8.264.619
Lithium (Li)	8.264.620
Magnesium (Mg)	8.264.621
Manganese (Mn)	8.264.622
Mercury (Hg)	8.264.623
Molybdenum (Mo)	8.264.624
Nickel (Ni)	8.264.625
Palladium (Pd)	8.264.626
Phosphorus (P)	8.264.627
Platinum (Pt)	8.264.628
Potassium (K)	8.264.629
Rhodium (Rh)	8.264.630
Selenium (Se)	8.264.631
Silica (Si)	8.264.632
Silver (Ag)	8.264.633
Sodium (Na)	8.264.634
Strontium (Sr)	8.264.635
Sulphur (S)	8.264.636
Tellurium (Te)	8.264.637
Thallium (Tl)	8.264.638
Tin (Sn)	8.264.639
Titanium (Ti)	8.264.640
Vanadium (V)	8.264.641
Zinc (Zn)	8.264.642
Zirconium (Zr)	8.264.643

We can supply also Multi-Element Standards for the Plasma Emission Spectroscopy (ICP) customised for every application.

Please indicate in your inquiry which elements you would like to combine, the concentrations and the matrices.

*Sur demande, nous pouvons aussi livrer des étalons à multi-éléments pour la spectrométrie à torche à plasma (ICP).*

*SVP détailler les éléments, les concentrations et les matrices.*

**For cuvettes and calibration standards, please refer to pages 257 to 262**

*Pour les cuvettes et les étalons de calibration, veuillez svp vous référer aux pages 257 à 262*