



# **MDIA5030**

6fUbX<sup>•</sup>7i `h fYg

HYfa 'H\fYY''##'&\$%-

GW.cc``cZh\Y'5fhg`UbX'A YX]U`'#''I BGK `'5fhg`UbX'GcWJU`'GWJYbWYg

## 7 ci fgY<sup>·</sup>Cj Yfj ]Yk

## `GHJZZ`7cbHJWh`8YHJ]`g`

#### '7cbj Ybcfg'

BUa Y	9a U]`	5j U]`UV]`]m	@cWUhjcb	D∖cbY
B]W.c`Ug F]W.UfXgcb	b]Wkc`Ug"f]WkUfXgcb4 i bgk "YXi " Ui		KYVghYfFa &'%9	-',)`*'))

## GWXcc``7cbHJWhi=bZcfaUh]cb

Fcca '' &&ž`Yj Y`'' FcVYfhK YVghYf6i ]`X]b[

D\cbY.`f\$&Ł`- ' , ) `( , ) \*

9a U]`. <u>gUa 4 i bgk "YXi "Ui</u>

H\Y'GW\cc``cZh\Y'5fhg'UbX'AYX]U'k ci`X``]\_Y'hc'FYgdYWZ ``m5W\_bck`YX[Y'h\Y'HfUX]h]cbU``7ighcX]Ubgž h\Y'6YXY[U``f?Ybg]b[hcb'WJa digłž; UX][U``f7]hm'UbX'5fh/ '8Yg][b'7Ua digYgŁ'UbX'h\Y'B[ibbUkU` dYcd`Y'f5ighfU`]Ub'8YZYbWF: cfWF'5WJXYam]b'7UbVYffUŁcZh\Y``UbXg'k\YfY'YUW\'WJa dig'cZiBGK ']g `cWJhYX"

## 7ci fgY<sup>·</sup>8YHJ]`g

### 7 fYX]hDc]bhg<sup>•</sup>‰<sup>•</sup>

## Gi a a UfmcZhXY7ci fgY

5 `VfUbX`]g`U`Zi ]X`Ybh]m—`bYj Yf`Ybh]fY`m]b`Ub`cf[ Ub]gUh]cb'g`Wcbhfc`"`H\]g`]g`VYWUi gY`W ghca Yfg`'ck b' VfUbXg"`H\Y`VYghVfUbX`a UbU[ Yfg`h\YfYZcfY`gh XmdYcd`Y"`H\YmWcbg]XYf`VfUbXg`]b`W``h fY`UbX`VfUbXg Ug`W``h fYg"`Bch\]b[ `\UddYbg`VmW\UbWf"`H\]g`Wci fgY`cZYfg`mci `h\Ycf]Yg`UbX`hYW\b]ei Yg`Zcf`gh Xm]b[ VfUbX`W``h fYg"`H\YgY`h\Ycf]Yg`UbX`hYW\b]ei Yg`k]```i `h]a UhY`ma U\_Y`mci `U`VYhYf`VfUbX`a UbU[ Yf"

H\Y`WcifgY`dfcj]XYg`mci`k]h\`h\Y`cddcfhib]hmhc`XYjY`cdž`\cbY`UbX`Wcbgc`]XUhY`X]gW]d`]bUfmig\_]``g`UbX \_bck`YX[Y`[U]bYX`]b`h\Y`Z]Y`Xg`cZDF`UbX`UXjYfh]g]b[ž`gdYW]Z]WU``m`]b`fY`Uh]cb`hc`h\Y`dfUWf]WY`cZVfUbX a UbU[YaYbh'!`k\]W\`]g`U`WYbhfU``UgdYWficZWcbhYadcfUfmDF`UbX`UXjYfh]g]b["

H\]g`WcifgY`]g`kcft\`%&`ib]hg`cZWfYX]hz`UbX`]g`U`DfUWfJWY`DUh\kUmWcfY`giV^WhZcf`h\Y`AUghYf`cZDF`UbX 5XjYfh]g]b["

## 7cifgY`@YUfb]b[`CihWcaYg

- %" 8Ya cbglfUhY Wca dYhYbWY k ]h WcbhYa dcfUfmVfUbX a UbU[Ya YbhdfUWjWYg UbX glfUhY[]YgžUbX h Y UV]`]hmhc Udd`mih ]g\_bck `YX[Y`]b U fUb[Y cZdfcZygg]cbU``gYhjb[g"
- &" 8Ya cbghfUhY Uʻgci bXʻi bXYfghUbX]b[ ʻcZWcbhYa dcfUfmVfUbXʻa UbU[ Ya YbhWcbWYdhgʻUbX d\]`cgcd\]YgžUbXʻh\Y`WUdUWJmihcʻYa d`cmih.]gʻ\_bck `YX[ YʻdfcXi Wij Y`m]bʻdfcZygg]cbU`dfUWJWY"
- ' " 8 Ya cbglfUhY 'U'WUdUWJmiZcf']bXYdYbXYbhUbX 'Wc``UVcfUhj Y`]bei ]fmžUbX 'h\Y'UV]`]mhc 'YZYWhj Y`m Wca a i b]WUhY ']XYUg hc 'U'fUb[ Y'cZUi X]YbWYgž'i g]b[ 'k f]hhYbž'cfU``UbX 'Ui X]c!j ]gi U``ma YX]UhYX Wca a i b]WUh]cb"
- ("8YacbgHfUHY`Ub`UV]`]miZcf`WfYUh]jY`H\]b\_]b[`UbX`Wf]h]WU``fYZYWfjcb"
- ) " 8Ya cbglfUhY Uʻgci bXʻi bXYfghUbX]b[ ʻcZVch\ `cWU``UbX`[ `cVU``]bXi glfmWcbhYI hgʻ]bʻh\Y`Z]Y`XgʻcZDF ž UXj Yfn]g]b[ `UbX`Wca a i b]WUh]cb"

#### HYUW ]b[ GhfUhy[ ]Yg

Ghi XYbhgʻk]```VYʻdfcj]XYX`k]h\ʻh\YʻgWcdYʻhc`XYjY`cdž\cbY`UbX`\cbY`UbX`Wcbgc`]XUhY`X]gWjd`]bUfmig\_]``g UbX`\_bck `YX[Y`[U]bYX`]b`h\Y`Z]Y`Xg`cZDF`UbX`UXjYfn]g]b[ž`gdYVjZ]WU``m`]b`fY`Uh]cb`hc`h\Y`dfUWnjWY`cZVfUbX a UbU[YaYbh'

H\]g`X]gW]d`]bUfm\_bck`YX[Y`k]```VY`dcg]h]cbYX`U[U]bghthY`WcbhYI hcZXYj Y`cda Ybhg`]b`h\Y`WcbhYa dcfUfm [`cVU``UbX``cWJ``a`YX]U``UbXgWUdY"

H\Y'Wci fgY'k ]``'VY'HJi [\hj]U'`YWi fYg'UbX'gYa]bUfg"

## 5ggYgga Ybh

## 5ggYgga YbhHUg\_g

5ggYgga Ybh'HJg_	K Y][ \h	8iY'8UHY	GhiXYbhï@YUfb]b[ CihWcaYgʻ5ggYggYX
K YY_`mW]b]WdfYgYbHJh]cbg`	')	Bch5dd`]WUV`Y	%ž&ž ž(ž)
9ggUmi	(\$1	Bch5dd`]WUV`Y	%ž&ž ž(ž)
6fUbX`Ui X]h	&) ı	Bch5dd`]WUV`Y	%ž&ž ž(ž)

5ggYgga Ybh8YHJ]`g

#### 5XX]h]cbU``XYhJ]`g.

D`YUgY`gYY`XYHU]`YX`XYgWf]dH]cb`UbX`Xi Y`XUHYg`]b`H\Y`UggYgga Ybh`gYWf]cb`cb`A ccX`Y"

Hi fb]h]b`gYh]b[.`H\]g`]g`bchU`Hi fb]h]b`Ugg][ ba Ybh

## FYgci fWg

#### DfYgWf]VYX F Ygci fWyg

GYY'A ccX`Y

## FYWca a YbXYX FYgci fWYg

GYY'A ccX`Y

## 7 ci fgY 9j U`i Uh]cb UbX 8 Yj Y`cda Ybh

=b`UXX]h]cb`hc`h\Y`ei Ubh]hUh]j Y`A m91 df]YbWY`gi fj YmžWci fgY`ZYYXVUW\_`k ]``VY`Wc``YWhYX`h\fci [\`U`g\cfh]b WUgg`ei U`]hUh]j Y`gi fj Ym'`DUghfYWca a YbXUh]cbg`\Uj Y`Wcbhf]Vi hYX`hc`W\Ub[Yg`hc`WUgg`UbX`UggYgga Ybh a UhYf]U`g"

## Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

## Gi Va ]gg]cb cZ5ggYgga YbhHUg\_g

#### Hi fb]h]b Gi Va ]gg]cb

Zmci YbWci bhYf'U'dfcV'Ya 'k \Yb'UthYa dhjb[ 'tc'gi Va ]hmci f'Ugg][ ba Ybht\fci [ \'Hi fb]hjbžd'YUgY hY'Yd\cbY'9I hYfbU'`Gi ddcfhcb'-', ) '' ' %cf'Ya U]`'h\Ya 'cb'YI hYfbU'hY'hgi ddcfh4 i bgk "YXi "Ui '"'Gi ddcfh \ci fg'UfY', .\$\$Ua '-'%\$.\$\$da 'cb'k YY\_XUmg'UbX'-.\$\$Ua '-') .\$\$da 'cb'k YY\_YbXg'fl \*) 'XUmg'U'mYUfŁ''Zmci UfY'i bUV'Y'hc'gi Va ]hmci f'Ugg][ ba YbhXi Y'hc'U'ZJi `hk ]h\'Hi fb]hjb'mci 'a UmUdd`m'Zcf'Ub'YI hYbg]cbžVi hmci a i ghfYhU]b'mci f'hjW\_Yhbi a VYf'Zfca '9I hYfbU'`Gi ddcfhfU'cb[ 'k ]h\ 'Ubmch\Yf'fY'Yj UbhXcW a YbhgŁ'hc ]bWi XY'Ug'Yj ]XYbWY hc'gi ddcfhmci f'YI hYbg]cb'Udd`]WUhjcb"'Zmci 'Ya U]`'9I hYfbU'`Gi ddcfhimci 'k ]`` Ui hca UhjWU'`mfYWY]j Y'U'hjW\_Yhbi a VYfžVi h]Zmci 'hY'Yd\cbY'mci 'k ]``bYYX'hc'gdYWJZJWU'`mUg\_'Zcf'cbY" Hi fb]hjb'U`gc'dfcj ]XYg'i dXUhYg'cb'h\Y]f'gmghYa 'gfUhi g'cb'Hk ]hYf"

; YbYfU``mž'UggYgga YbhHUg\_g'a i ghVY'gi Va ]HHXXYYWYfcb]WU``mj ]U'Y]H\Yf'Hi fb]h]b'cf'U'A ccX`Y Ugg][ ba Ybh''=b`]bgHUbWYg'k \YfY'H\]g']g'bchdcgg]V`Yž']hk ]``VY'gHUHYX'cb'mci f'Wci fgY'g'A ccX`Y'g]HY'k ]H\ U`HYfbUh]j Y'gi Va ]gg]cb'XYHU]`g''

: cf`]bZcfa Uh]cb`cb`\ck 'hc`gi Va ]hUgg][ ba Ybhg`cb`]bY`j ]U`A ccX`Y.`\hhdg.##gh XYbh'i bgk "YXi "Ui #\ck! gi Va ]hUgg][ ba Ybha ccX`Y

## 5WUXYa ]W<cbYghmUbX^D`U[ ]Uf]ga

D`U[]Uf]ga `]g`i g]b[ 'h\Y`k cfXg`cf`]XYUg`cZch\Yfg`UbX`dfYgYbh]b[ 'h\Ya `Ug`mci f`ck b"`+i\WUb`hU\_Y`a Ubm Zcfa gžZfca `XY`]VYfUhY`W\YUh]b[ 'hc`UVW]XYbhU``mWcdm]b[ 'Zfca `U`gci fWf`k ]h\ci hUW\_bck `YX[ Ya Ybh'

I BGK '[fci dg'd`U[]Uf]ga ']bhc'h\Y'Zc``ck ]b['WUhY[cf]Yg.

7 cdm]b[..'i g]b['thY'gUa Y'cf'j Yfmg]a ]`Uf'k cfXg'tc'thY'cf][]bU`'thYI h`cf']XYU'k ]th`ci hUW\_bck `YX[]b['thY gci fVW'cf'i g]b['ei ctUt]cb'a Uf\_g"'th\]g'U`gc'Udd`]Yg'tc']a U[Ygž'Ufh'UbX'XYg][b'dfc'YWtgž'Ug'k Y``'Ug dfYgYbtUt]cbg'k \YfY'gca YcbY'dfYgYbtg'Ubct\Yf'g']XYUg'cf'k cfXg'k ]th`ci hWfYX]t'

■Uddfcdf]UhY`dUfUd\fUg]b[..7\Ub[]b[`U`ZYk`k cfXg`UbX`d\fUgYg`k \]`Y`a cghmfYhU]b]b[`h\Y`cf][]bU` ghfi Whi fY`UbX#cf`dfc[fYgg]cb`cZ]XYUg`cZh\Y`cf][]bU`ž`UbX`]bZcfa Uh]cb`k ]h\ci hUW\_bck `YX[ Ya Ybh`H\]g`U`gc Udd`]Yg`]b`dfYgYbhUh]cbg`k \YfY`gca YcbY`dUfUd\fUgYg`Ubch\Yf\*g`]XYUg`cf`k cfXg`k ]h\ci hWfYX]hUbX`hc d]YW]b[`hc[Yh\Yf`ei chYg`UbX`dUfUd\fUgYg`]bhc`U`bYk`k \c`Yžk]h\ci hUddfcdf]UhY`fYZYfYbW]b["

7 c``i g]cb.'k cf\_]b[ 'k ]h`:ch\Yfg'Vi hdUgg]b[ 'cZ!h\Y'k cf\_'Ug'U'dYfgcb'g']bX]j ]Xi U``k cf\_"'7 c``i g]cb'U`gc ]bWi XYg'dfcj ]X]b[ 'mci f`k cf\_'hc'Ubch\Yf'gh XYbhVYZcfY'h\Y'Xi Y`XUHYžcf'Zcf'h\Y'di fdcgY'cZh\Ya d`U[ ]Uf]g]b[ 'UhUbmh]a Yž'dUm]b[ 'Ubch\Yf'dYfgcb'hc'dYfZcfa 'Ub'UWUXYa ]WhUg\_žghYU`]b[ 'cf'UV&i ]f]b[ Ubch\Yf'dYfgcb'g'UWUXYa ]Wk cf\_'UbX'Wcdm]b[ ']hž'cZYf]b[ 'hc'Wca d`YhY'Ubch\Yf'dYfgcb'g'k cf\_'cf'gYY\_]b[ dUma YbhZcf'Wca d`Yh]b[ 'UWUXYa ]Wk cf\_"

=ðUddfcdf]UhY`W]hUh]cb. 7]h]b[`gci fWYg`k \]W\`\Uj Y`bchVYYb`fYUXžk]h\ci hUW\_bck `YX[]b[`h\Y`´gYWcbXUfm´ gci fWY`Zfca`k \]W\`\_bck `YX[Y`cZh\Ya`\Ug`VYYb`cVhU]bYX"

8id`]WUh]cbffigY`Zd`U[]Uf]ga "Łigi Va]hh]b[imcifick bik cf\_ži]bik \ciYicfi]bidUfhžik \YfYi]h\UgidfYj]cigim VYYbidfYdUfYXicfigi Va]hhYXiZcfiUbch\YfiUggYggaYbhicfiWcifgYiUhi BGK icfiUbch\Yfib]jYfg]hm"

7 cffYWhfYZYfYbWjb[dfUWfjWYg.

- DUfUd\fUg]b[žigi a a Uf]g]b[žiYggUmk f]h]b[ 'UbX'h]a Yia UbU[ Ya Ybh
- 5ddfcdf]UhY i gY cZUbX Uhf]Vi h]cb Zcf U fUb[Y cZa UhYf]U g ]bWi X]b[ 'hYI hz ]a U[Ygz Zcfa i `UY UbX WcbWYdhg"

€DX]j ]Xi U``Ugg]gHJbWF`]g`Uj U]`UV`Y`cb`fYei YghŹca `H\Y`@YUfb]b[ `7 YbHY`f\Hd.#k k k "`Wi bgk "YXi "Ui #" Ghi XYbhg`UfY`U`gc`fYa ]bXYX`H\UhWUfYZ ``Ha Y`a UbU[ Ya Ybh']g`Ub`]a dcfHJbhdUfhcZghi XmUbX`cbY`cZh\Y ]XYbh]Z]YX`WJi gYg`cZd`U[ ]Uf]ga `]g`dccf`Ha Y`a UbU[ Ya YbH'Ghi XYbhg`g\ci `X`U``ck `gi ZZ]W]YbhHa Y`Zcf fYgYUfW\žXfUZf]b[ `UbX`dfcdYf`fYZYfYbW]b[ `cZgci fWfg`]b`dfYdUf]b[ `U```UggYgga Ybh]Ha g"

IBGK "@]VfUfmiU`gc`\Ugʻh\Y`9@~G9`hcc``UjU]`UV`Y`hc`Ugg]ghimci`k]h\`mcif`ghiXmiUhIBGK "`9@~G9`]g XYg][bYX`hc`]bhfcXiWY`bYk`ghiXYbhg`hc`ghiXm]b[`UhIBGK `Vih]hWUb`U`gc`VY`U`[fYUhifYZfYg\Yf`Xif]b[`mcif ghiXm"

7 ca d`Yhjb[ 'h\Y'9@~~~~~~ f]U``UbX'ei ]n'k ]``YbUV`Y'mci 'hc.

- UbU'mgY'hcd]Wgžd'Ub'fYgdcbgYg'UbX'cf[Ub]gY'fYgYUfWX'Zcf'UWUXYa]Wk f]hjb[''UbX'ch\Yf UggYgga YbhiHUg\_g
- **`**

i bXYfgHUbX\*mci f\*f][\hg\*UbX\*fYgdcbg]V]`]h]Yg\*Ug\*U\*gh XYbhUhI BGK

## 5WUXYa]W=bZcfaUh]cb<sup>·</sup>

: cf<sup>\*</sup>YggYbhJU<sup>\*\*</sup>gh XYbh<sup>\*</sup>]bZcfa UhJcb<sup>\*</sup>fY<sup>\*</sup>UhJb[<sup>\*\*</sup>hc.

- fYei Yghg Zcf Yl hYbg]cb/
- `UhY `gi Va ]gg]cbg `[ i ]XY`]bYg/
- fYj]Yk cZa Uf\_g/
- | BGK '<YU`h\`UbX`GUZYhmidc`]W}Yg/
- YI Ua ]bUh]cb'dfcWYXi fYg/
- gdYWJU`Wcbg]XYfUh]cb`]b`h\Y`Yj YbhcZ]``bYgg`cf`a ]gUXj Ybh fY/
- gh XYbhYei ]hmUbX`X]gUV]`]hm/
- UbX'ch\Yf'YggYbhJU``UWUXYa ]W]bZcfa Uh]cbž'gYY

<u>htdg.#k k k "Ufng"i bgk "YXi "Ui #W ffYbHgh XYbhg#UWUXYa ]W]bZcfa Uh]cb#dfchcWc`g![i]XY`]bYg#</u>

## ∋a U[Y<sup>·</sup>7fYX]h

Gc`c'DYfZcfa UbWY'A U\_]b['&\$%

## 7F=7CG

7F =7CG Dfcj ]XYf 7cXY. \$\$\$-,;